

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER (ER 1130-2-306)						PAGE 1 OF 2		
						DATE September 21, 2007		
TO: The Record					FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090			
RIVER/HARBOR NAME AND STATE: Buttermilk Channel, New York					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
Reach A (Southern Portion of 40 Ft. Half of Main Channel): (0.0 mil – 1.2 mil) From the junction with Anchorage Channel at Red Lighted #28 to channel's first bend at about 5,775 feet into the channel.	Map 98 Pg 1 of 2; 14-17 & 21 August 2007	500	0.95	40	38.0	38.9	38.2	39.1
Reach B (Northern Portion of 40 Ft. Half of Main Channel): (1.2 mil – 2.7 mil) From channel's first bend at about 5,775 feet into the channel to the channel's junction with East River about 3,500 feet north of Green Can #7.	Map 98 Pg 1 & 2 of 2; 14-17 & 21 August 2007	500	1.29	40	40.0	41.1	40.4	36.9
Reach C: Widening at junction with Red Hook Channel and Anchorage Channel (Begins at Red Lighted #28).	Map 98 Pg 1 of 2; 14-17 & 21 August 2007	Irregular	Irregular	35	Minimum Depth in this Section is 29.3			
Reach D (Southern Portion of 35 Ft. Half of Main Channel): (0 – 1.2 mil) From the junction with Anchorage Channel at Red Lighted #28 to channel's first bend at about 5,775 feet into the channel.	Map 98 Pg 1 of 2; 14-17 & 21 August 2007	500	0.95	35	31.9	33.5	33.4	34.7
Reach E (Northern Portion of 35 Ft. Half of Main Channel): (1.2 mil - 2.7 mil) From channel's first bend at about 5,775 feet into the channel to the channel's junction with East River about 3,500 feet north of Green Can #7.	Map 98 Pg 1 & 2 of 2; 14-17 & 21 August 2007	500	1.29	35	30.7	35.1	37.1	36.3
Reach F: Widening at junction with Anchorage Channel.	Map 98 Pg 1 of 2; 14-17 & 21 August 2007	Irregular	Irregular	35	Minimum Depth in this Section is 32.7			
Reach G: Widening at junction with East River.	Map 98 Pg 2 of 2; 14-17 & 21 August 2007	Irregular	Irregular	35	Minimum Depth in this Section is 35.5			
REMARKS: <ul style="list-style-type: none"> All depths in MLW. Channel length is in nautical miles. 								
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BUTTERMILK CHANNEL

- **Reach A:** Minor shoaling exists in all four quarters of this reach beginning approximately 2,250 feet into the reach, and extending for approximately 1,200 feet.
- **Reach B:** There is minor shoaling in the Left inside quarter of the reach. It begins at approximately 3,050 feet north from Green Can #7 and extends for approximately 115 feet.
- **Reach C:** Shoaling exists with the approximate dimensions of 180 feet by 220 feet along the southern most boundary of the reach, approximately 250 feet from the junction with Red Hook Channel.
- **Reach D:** Sporadic shoaling exists in all quarters of this reach. It begins about 2,050 feet into the reach, and extends for approximately 1,630 feet.
- **Reach E:** Shoaling exists with the approximate dimensions of 60 feet by 440 feet in the Left outside quarter of the reach beginning approximately 310 feet south of Green Can #5.
- **Reach F:** Shoaling with a minimum depth of 32.7 feet, exists in the eastern corner of this reach at its junction with Reach D. The shoaling begins approximately 450 feet southwest of Green Lighted & Gong #1.
- **Reach G:** No shoaling exists in this reach.